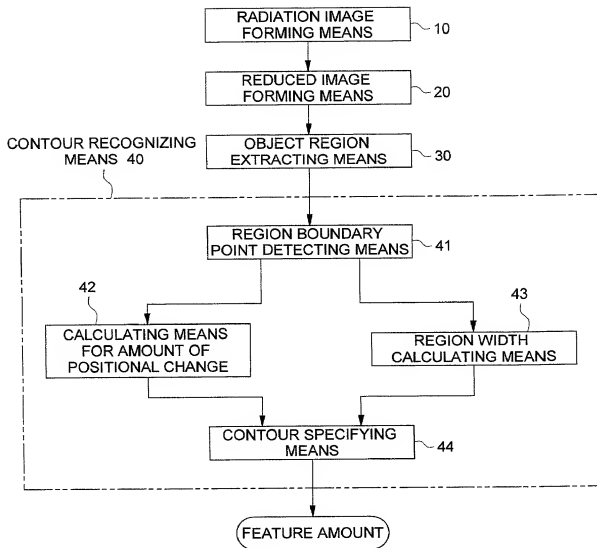


FIG. 1



```

graph TD
    10[RADIATION IMAGE FORMING MEANS 10] --> 20[REDUCED IMAGE FORMING MEANS 20]
    20 --> 30[OBJECT REGION EXTRACTING MEANS 30]
    30 --> 40[CONTOUR RECOGNIZING MEANS 40]
    40 --> 41[REGION BOUNDARY POINT DETECTING MEANS 41]
    41 --> 42[CALCULATING MEANS FOR AMOUNT OF POSITIONAL CHANGE 42]
    41 --> 43[REGION WIDTH CALCULATING MEANS 43]
    42 --> 44[CONTOUR SPECIFYING MEANS 44]
    43 --> 44
    44 --> 50[FEATURE AMOUNT EXTERNAL CONTOUR]
    30 --> 50[OBJECT REGION EDGE EXAMINING MEANS 50]
    50 --> 51[FEATURE AMOUNT REGION EDGE]

```

FIG. 3 ( a )

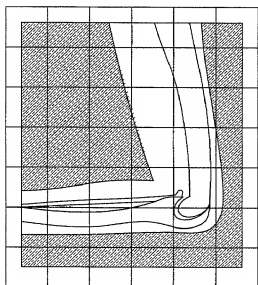


FIG. 3 (b)

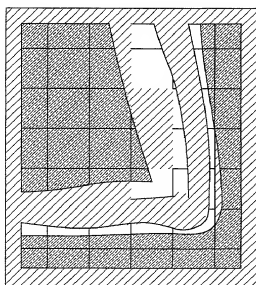


FIG. 3 (c)

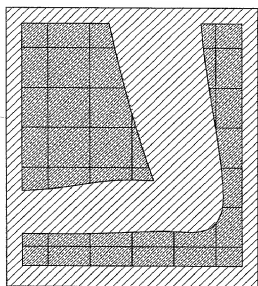


FIG. 3 (d)

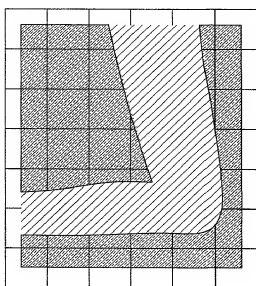
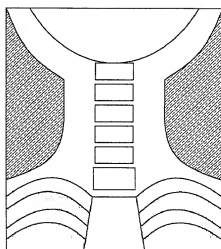
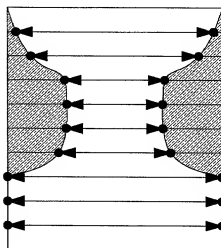


FIG. 4 (a)



REDUCED (ORIGINAL) IMAGE

FIG. 4 (b)



OBJECT REGION IMAGE




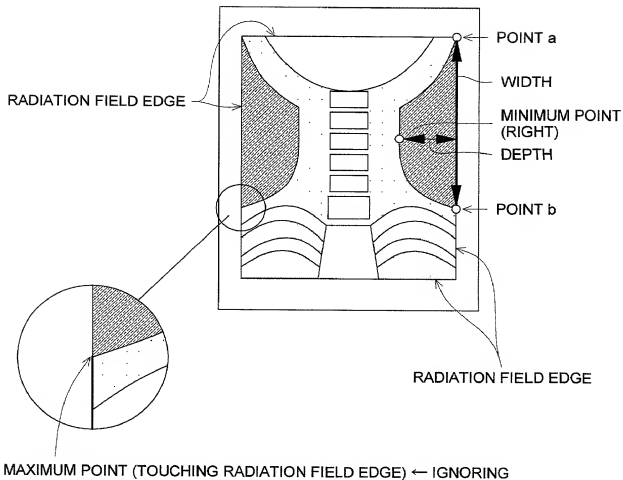
-  : OBJECT REGION
-  : REGION BOUNDARY POINT
-  : REGION WIDTH

FIG. 5



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FIG. 6 (a)

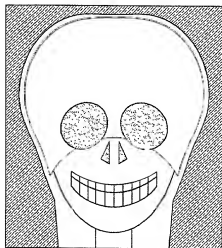


FIG. 6 (b)

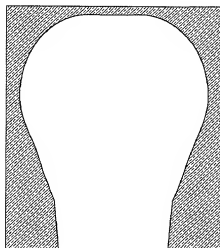


FIG. 6 (c)

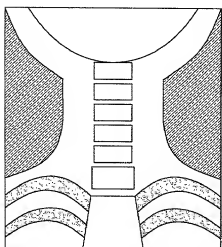


FIG. 6 (d)

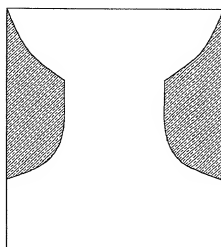


FIG. 7 (a)

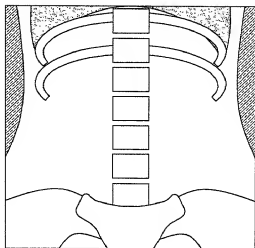


FIG. 7 (b)

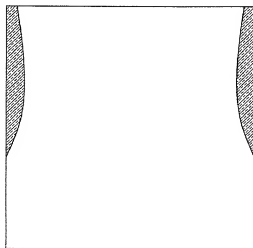


FIG. 7 (c)

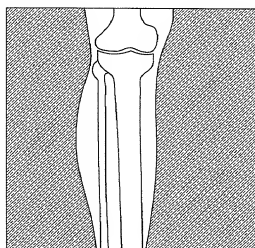


FIG. 7 (d)

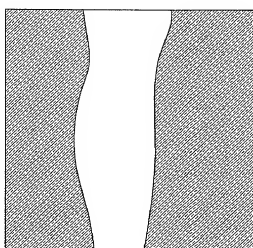
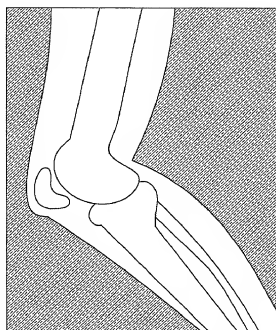


FIG. 8



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10E290-66104860



FIG. 9

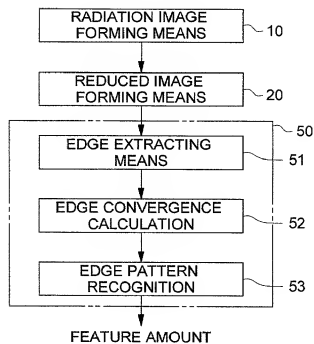


Diagram illustrating the state of the array after the third iteration of the algorithm. The array contains the values  $-2, 0, 4, 0, -2$ . The current cell being processed is the third cell (index 2), which contains the value  $4$ . The coordinates of the current cell are  $(i, j) = (0, 0)$ . The coordinates of the left neighbor are  $(i, j) = (-2, 0)$  and the coordinates of the right neighbor are  $(i, j) = (2, 0)$ .

-2	← (i, j) = (0, -2)
0	
4	← (i, j) = (0, 0)
0	
-2	← (i, j) = (0, 2)

Diagram illustrating a knight's tour on a 5x5 grid. The path is marked with numbers 1 through 25, starting from (0,0) and visiting all squares. The starting square (0,0) is labeled 4. The path ends at (2,2) labeled 25. The grid is 5x5, with rows and columns indexed from 0 to 4.

Diagram illustrating the sequence of states  $(i, j)$  for the Longest Common Subsequence (LCS) problem:

- $(i, j) = (2, 2) \rightarrow -1$
- $(i, j) = (1, 1) \rightarrow -1$
- $(i, j) = (0, 0) \rightarrow 4$
- $(i, j) = (-1, 1) \leftarrow -1$
- $(i, j) = (-2, 2) \leftarrow -1$

 $n = 4$

FIG. 11 (a)

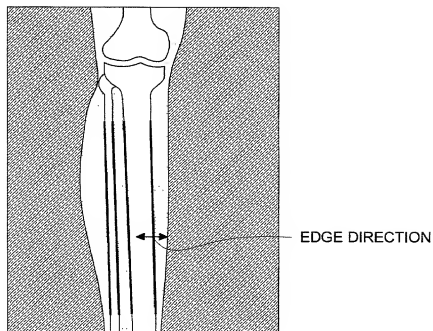


FIG. 11 (b)

FIG. 11 (c)

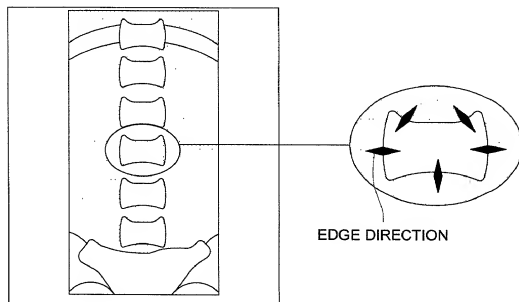


FIG. 12 (a)

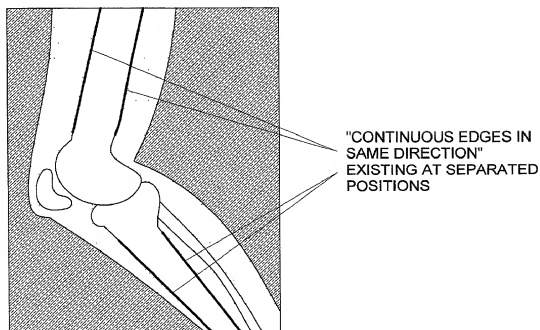


FIG. 12 (b)

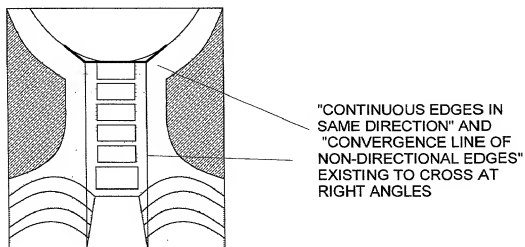
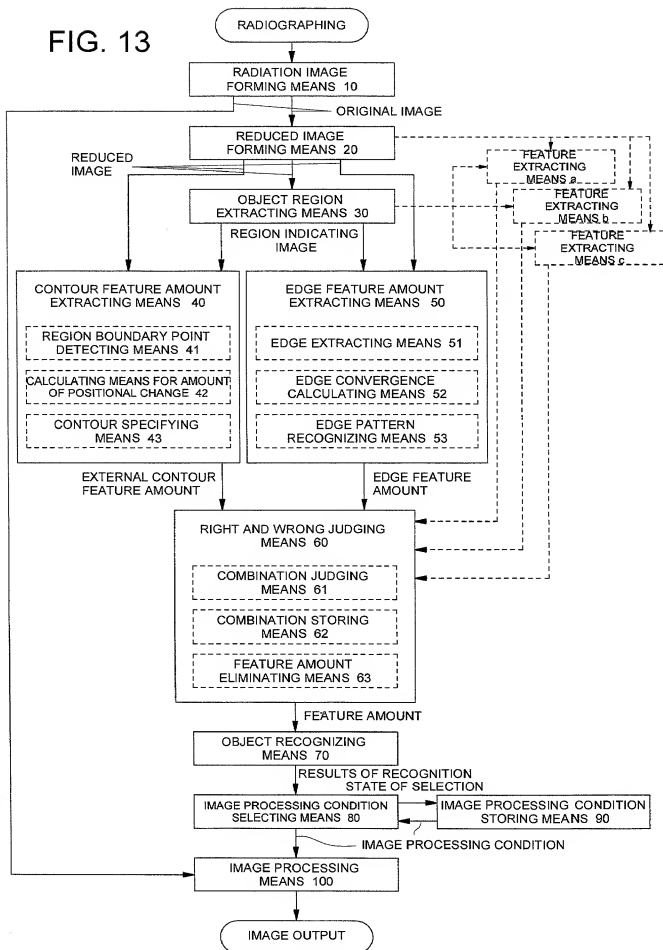


FIG. 13



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FIG. 14

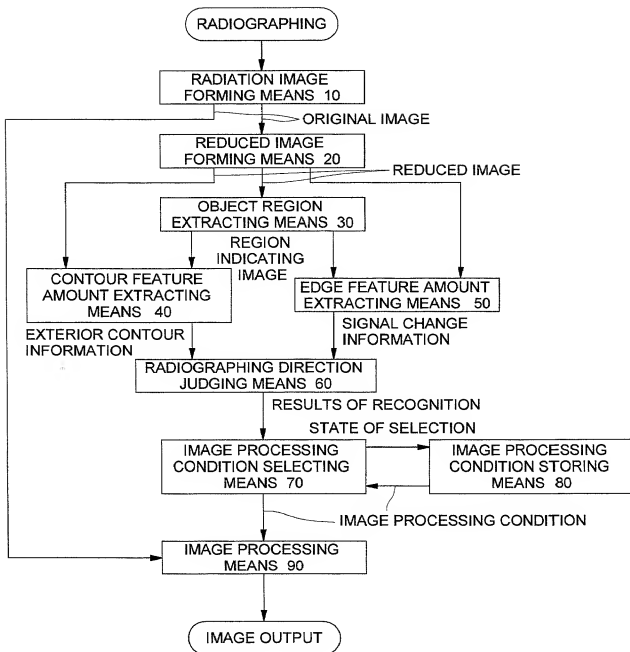
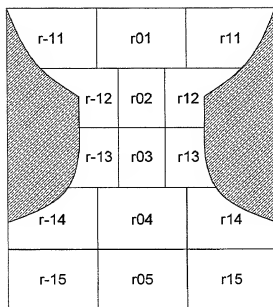


FIG. 15



 : OBJECT REGION